WHAT IS CLAIMED IS:

- 1. A system for the attenuation of radiation during a Computed
- 2 Tomography procedure conducted using a Computed Tomography machine having a
- 3 gantry defining an opening, the system comprising:
- a shield made of a radiation attenuation material, the shield is
- 5 configured to be disposed at least partially in front of the opening defined by the
- 6 gantry to reduce radiation exposure during the Computed Tomography procedure.
- 1 2. The system of claim 1, wherein the shield is configured to be coupled
- to the Computed Tomography machine.
- 1 3. The system of claim 2, wherein the shield is configured to be
- 2 detachably coupled to the Computed Tomography machine.
- 1 4. The system of claim 2, wherein the shield is configured to be coupled
- to a front portion of the Computed Tomography machine near the gantry.
- 5. The system of claim 4, wherein the shield is configured to be coupled
- to the front portion of the Computed Tomography machine and a patient table.
- 1 6. The system of claim 3, further comprising a fastener provided on the
- shield for detachably coupling the shield to the Computed Tomography machine.
- The system of claim 6, wherein the fastener is a hook and loop
- 2 fastener.
- 1 8. The system of claim 7, wherein the hook and loop fastener is provided
- along a top portion of the shield.
- 1 9. The system of claim 6, wherein the fastener is a snap, adhesive,
- 2 grommet, or zipper.
- 1 10. The system of claim 1, wherein the shield is a solid member that is
- disposed at least partially in front of the opening defined by the gantry.

- 1 11. The system of claim 1, wherein the shield includes a plurality of flaps extending in a substantially vertical direction.
- 1 12. The system of claim 1, wherein the shield is a curtain having at least 2 one slit starting at a bottom edge of the shield and extending in a substantially vertical 3 direction for enabling access to the patient.
- 1 13. The system of claim 12, wherein the shield includes a plurality of slits for enabling access to the patient.
- 1 14. The system of claim 1, wherein the shield has a substantially rectangular shape.
- 1 15. The system of claim 1, wherein the shield has a curvilinear edge.
- 1 16. The system of claim 15, wherein the shield has a substantially circular 2 shape.
- 1 17. The system of claim 1, wherein the shield is configured to reduce 2 radiation exposure to a medical personnel near the Computed Tomography machine 3 during the Computed Tomography procedure
- 1 18. The system of claim 1, wherein the shield is configured to reduce 2 radiation exposure to the patient during the Computed Tomography procedure.
- 1 19. A system for the attenuation of radiation during a Computed
 2 Tomography procedure conducted using a Computed Tomography machine, the
 3 system comprising:
- a shield made of a radiation attenuation material, the shield is configured to be positioned between a medical personnel and the Computed
- 6 Tomography machine to protect the medical personnel from radiation exposure during
- the Computed Tomography procedure.

- 1 20. The system of claim 19, wherein the shield is configured to be 2 positioned near at least one of a patient table and a gantry of the Computed
- 3 Tomography machine.
- 1 21. The system of claim 19, wherein the shield is configured to be coupled 2 to at least one of a patient table and a front portion of the Computed Tomography.
- 1 22. The system of claim 21, wherein the shield is configured to be coupled 2 to the patient table along an outer edge of the shield and drape over the side of the 3 patient table until a bottom portion of the shield is substantially near a floor.
- 1 23. The system of claim 21, wherein the shield is coupled to the front 2 portion of the Computed Tomography machine near a gantry.
- 1 24. The system of claim 21, wherein the attenuation material is a flexible material.
- The system of claim 24, wherein the shield is dimensioned to be coupled to both the patient table and the front portion of the Computed Tomography machine.
- 1 26. The system of claim 24, wherein the shield is substantially rectangular 2 in shape.
- 1 27. The system of claim 19, wherein the shield is positionable of both 2 sides of the patient table.
- 1 28. A system for the attenuation of radiation during a procedure that emits 2 ionizing radiation, the system comprising:
- a shield made of a radiation attenuation material, the shield is configured to be draped over and around substantially all secondary areas of a patient to protect the secondary areas of the patient from radiation exposure.
- 1 29. The system of claim 28, wherein the shield includes a missing portion 2 that allows a target area to be examined.

- 1 30. The system of claim 29, wherein the missing portion is an opening in the shield.
- 1 31. The system of claim 30, wherein the shield includes a fastener for selectively sealing and exposing the opening.
- 1 32. The system of claim 29, wherein the shield is configured to cover at least a patient's head, neck, back, chest, and groin.
- 1 33. The shield of claim 32, wherein the shield is further configured to cover a patient's arms and legs.
- 1 34. The system of claim 28, wherein the system is configured as a combination of a vest, a skirt, and a helmet.
- 1 35. The system of claim 34, wherein the system is configured to expose a 2 target area on the patient by allowing a portion of the system to be moved out of the 3 way while the procedure is conducted.
- 1 36. The system of claim 28, wherein the system is configured for use with 2 Computed Tomography procedures.
- 37. A method of attenuating radiation exposure to a medical personnel during a Computed Tomography procedure preformed by a Computed Tomography machine, the method comprising:
- disposing a radiation attenuation material on the Computed
- 5 Tomography machine between the medical personnel and the Computed Tomography
- 6 machine.
- 1 38. The method of claim 37, further comprising disposing the radiation.
- attenuation material across an opening defined by a gantry of a Computed
- 3 Tomography machine.
- 1 39. The method of claim 35, further comprising coupling the radiation 2 attenuation material to a front portion of the Computed Tomography machine.

- 1 40. The method of claim 37, further comprising coupling the radiation 2 material to a patient table.
- 1 41. A system for the attenuation of radiation during a Computed
- 2 Tomography procedure conducted using a Computed Tomography machine, the
- 3 system comprising:
- 4 means for reducing radiation exposure to a medical personnel during
- 5 the Computed Tomography procedure,
- wherein the means is coupled to the Computed Tomography machine
- 7 and positioned between the Computed Tomography machine and the medical
- 8 personnel.